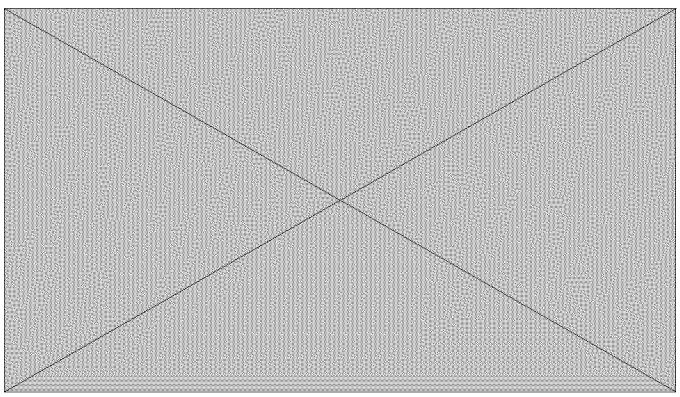
To: Dave Larsen[dlarsen@reiengineering.com]
From: Kady, Thomas
Sent: Wed 7/13/2016 1:11:49 AM
Subject: Re: MiHPT-06- REI- Tower Standard- Lac Du Flambeau, WI

That's exactly what I would expect, too, but with the exception of MIHPT 5 that's not what the logs are showing. Both the pressure and flows are moving in the same direction in many cases. Not always, but often. That's what seems odd.

Sent from my iPhone

On Jul 12, 2016, at 5:37 PM, Dave Larsen <dlarsen@reiengineering.com> wrote:

> See below
>
> Thank you,
>
> David N. Larsen P.G
>
> Hydrogeologist / Professional Geologist
>
> 
>
> Connect with us : <image002.png> <image003.png> <image007.png>
>
> *Confidentiality Notice: This message is intended for the recipient only. If you have received this e-mail in error please disregard.*

From: Ryan Mulford [mailto:rmulford@cascade-env.com]
Sent: Tuesday, July 12, 2016 4:32 PM
To: Dave Larsen <dlarsen@reiengineering.com>
Cc: Brad Carlson <wcarlson@cascade-env.com>
Subject: RE: MiHPT-06- REI- Tower Standard- Lac Du Flambeau, WI

The "mirroring" of HPT pressure and flow is exactly what we expect to see. As the probe is advanced and encounters a tighter zone in the matrix, we expect to see the pressure increase and the flow decrease, as a tighter formation will present a greater resistance to the flow of water and, consequently, higher back pressure on the pressure transducer in the probe.

I hope this is helpful.

<image008.jpg>

Ryan Mulford

High Resolution Site Characterization Specialist

CASCADE | 34 TALBOT ROAD NORTHBOROUGH, MA 01532

(410) 507-6368 | rmulford@Cascade-Env.com

From: Dave Larsen [mailto:dlarsen@reiengineering.com]
Sent: Tuesday, July 12, 2016 5:22 PM
To: Ryan Mulford
Subject: RE: MiHPT-06- REI- Tower Standard- Lac Du Flambeau, WI

Ryan could you please have your guys respond to the question below:

I've noticed that most spikes in flow rate are mirroring spikes in pressure, which is opposite of what we usually see. Any thoughts on why that might be?

Thank you,

David N. Larsen P.G

Hydrogeologist / Professional Geologist

<image009.jpg>

Connect with us : <image010.png> <image011.png> <image012.png>

From: Ryan Mulford [mailto:rmulford@cascade-env.com]
Sent: Tuesday, July 12, 2016 3:50 PM
To: Dave Larsen <dlarsen@reiengineering.com>
Cc: Brad Carlson <wcarlson@cascade-env.com>; Charles Terry <cterry@cascade-env.com>; William McAllister <wmcallister@cascade-env.com>
Subject: MiHPT-06- REI- Tower Standard- Lac Du Flambeau, WI

Project Team,

I have attached the MiHPT PDF for boring location MiHPT-06 completed at the Tower Standard site in Lac Du Flambeau, WI. Also attached is a common scale log, in which the scale of each data set is set to the greatest detection observed, for each respective detector, to this point. Please feel free to contact me or Brad Carlson with any questions or concerns.

Please note my new email address

<image013.jpg>

Ryan Mulford

High Resolution Site Characterization Specialist

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